UNITED STATES PATENT AND TRADEMARK OFFICE

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EXAMINER
KHAN, SUHAIL

ART UNIT	PAPER NUMBER
2686	

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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	Applicant(s)
Office Action Summary		10/675,931	KORPINEN, JARI TAPIO
		Examiner	Art Unit
		Suhail Khan	2686

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *11 October 2005*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-4,6-22 and 24-29* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-4,6-22 and 24-29* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2.   Claims 1-4, 6-22 and 24-29 rejected under 35 U.S.C. 102(e) as being anticipated by U.S.

Patent App. Pub. No. 2003/0139175 to Kim.

Referring to **claim 1**, Kim discloses a method for remote initiation of at least one

application executable on a remote terminal device (page 8, paragraph 111, remote control

software program executed by a remote control application of the mobile terminal serving as a

client or server); characterized by: dialing a first sequence identifying a remote subscriber (page

9, paragraph 125, client searches through phone book to perform remote control, remote control

end selected; phone book contains phone number for remote control end, interpreted as first

sequence); dialing at least one second sequence; and transmitting a call set-up request in order to

establish a voice connection to a public land mobile network (PLMN) (page 3, paragraph 41,

user's request for remote control; page 1, paragraph 5, voice, public switched telephone

network); wherein said at least one second sequence corresponds to an application identifier

which is associated with said at least one remote application (page 8, paragraph 111, remote

control command received from the remote terminal, numeric key process results are provided to

the remote control application, the identification of the numeric key leads to appropriate control

application, this command is interpreted as the second sequence); and wherein said call set-up request comprises said sequences (page 3, paragraph 41, user's request for remote control; page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence; page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification of the numeric key leads to appropriate control application, this command is interpreted as the second sequence).

Referring to **claim 2**, Kim discloses a method according to claim 1, wherein said first sequence corresponds to a subscriber number of said remote device (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end) and said first and said at least one second sequences are dialed to instinct said remote terminal device to initiate said at least one remote application (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as first sequence; page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence; page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Referring to **claim 3**, Kim discloses a method according to claim 1, wherein said first sequence and said at least one second sequence are forming an extended subscriber sequence (page 9, paragraph 125, client searches through phone book to perform remote control, remote

control end selected, interpreted as first sequence; page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence; it is inherent that when first sequence and second sequence are entered in succession, an extended sequence is formed).

Referring to **claim 4**, Kim discloses a method according to claim 1, wherein said first sequence and said at least one second sequence are dialed separately (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as first sequence; separately, following is performed: page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence).

Referring to **claim 6**, Kim discloses a method according to claim 1, wherein said remote initiation of said at least one remote application allows for establishing a client/server environment (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Referring to **claim 7**, Kim discloses a method according to claim 1, wherein at least one of said at least one second sequences corresponds to a parameter sequence for said at least one remote application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence).

Referring to **claim 8**, Kim discloses a method according to claim 3, wherein said extended subscriber sequence additionally comprises at least one separator, which delimits said first and/or second sequence from said first sequence and/or from said other second sequences

(page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as first sequence; page 5, paragraph 94, SEND button shown can be pressed to send first sequence. Now, separately, following is performed: page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence).

Referring to **claim 9**, Kim discloses a method according to claim 1, wherein said first sequence corresponds to a telephone number (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence).

Referring to **claim 10**, Kim discloses a method according to claim 1, further comprising: establishing a communication connection in consequence to said dialing; and transceiving DTMF-coded sequences to allow data communication with said remote terminal device (page 3, paragraphs 48 and 49, MS initiates a call, connected; DTMF is push button or touchtone dialing – SEND button and keys show in page 5, paragraph 94).

Referring to **claim 11**, Kim discloses a method for remote initiation of at least one application by an initiator terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server); characterized by: receiving an incoming call request originating from said initiator terminal device (page 3, paragraphs 48, MS initiates a call), wherein said request comprises a called party sequence (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected, interpreted as called party sequence); receiving at least one second sequence; and identifying at least one application in accordance with said at

least one second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence; page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server), wherein the call request establishes a voice connection to a public land mobile network (PLMN) (page 1, paragraph 5, voice, public switched telephone network).

Referring to **claim 12**, Kim discloses a method according to claim 11, wherein said at least one second sequence is received as a part of said called party sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, this command is interpreted as the second sequence, which is performed after identifying called party - page 9, paragraph 125, client searches through phone book), wherein said method further comprises: examining said called party sequence to determine whether said called party sequence corresponds to an extended subscriber sequence formed a subscriber number and said at least on second sequence; and extracting said at least one second sequence from said called party sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification and examination of the numeric key, interpreted as extraction, leads to appropriate control application, this command is interpreted as the second sequence).

Referring to **claim 13**, Kim discloses a method according to claim 11, wherein said incoming call request and said at least one second sequence are received separately (page 9, paragraph 125, client searches through phone book to perform remote control, remote control

end selected, interpreted as first sequence; separately, following is performed: page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence).

Referring to **claim 14**, Kim discloses a method according to claim 11, further comprising starting said at least one application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application).

Referring to **claim 15**, Kim discloses a method according to claim 11, wherein said initiation of said at least one application allows for establishing a client/server environment with said initiator terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Referring to **claim 16**, Kim discloses a method according to claim 11, wherein said called party sequence comprises a subscriber number (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end) and said at least one second sequence corresponds to an application identifier which is associated with said at least one application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application).

Referring to **claim 17**, Kim discloses a method according to claim 11, wherein at least one of said at least one second sequences corresponds to a parameter sequence for said at least one remote application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application).

Referring to **claim 18**, Kim discloses a method according to claim 11, further comprising

establishing a communication connection in consequence to said receiving of said indication; and

transceiving DTMF-coded sequences to allow data communication with said initiator terminal

device (page 3, paragraphs 48 and 49, MS initiates a call, connected; DTMF is push button or

touchtone dialing – SEND button and keys show in page 5, paragraph 94).

Referring to **claim 19**, Kim discloses a computer program product for executing a method

for remote initiation of one or more remote applications, comprising program code sections for

carrying out the steps of claim 1 (page 8, paragraph 111, remote control software program

executed by a remote control application of the mobile terminal serving as a client or server),

when said program is run on a computer, a terminal, a network device, a mobile terminal, a

mobile communication enabled terminal or an application specific integrated circuit (page 3,

paragraphs 48, MS).

Referring to **claim 20**, Kim discloses a computer program product comprising program

code sections stored on a machine-readable medium for carrying out the method of claim 1 (page

8, paragraph 111, remote control software program executed by a remote control application of

the mobile terminal serving as a client or server), when said program product is run on a

computer, a terminal, a network device, a mobile terminal, a mobile communication enabled

terminal, or an application specific integrated circuit (page 3, paragraphs 48, MS).

Referring to **claim 21**, Kim discloses a computer data signal embodied in a carrier wave

and representing instructions which when executed by a processor cause the steps of claim 1 to

be carried out (page 8, paragraph 111, remote control software program executed by a remote

control application of the mobile terminal serving as a client or server; page 10, paragraph 132 shows a call processor).

Referring to **claim 22**, Kim discloses a terminal device capable of mobile communications (page 3, paragraphs 48, MS), comprising: a dialing mechanism which is adapted to dial (page 5, paragraph 94, SEND button and keys) a first sequence and at least one second sequence to instruct a remote terminal device to initiate at least one remote application executable on said remote terminal device (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server); wherein said first sequence identifies said remote terminal device (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence), wherein said at least one second sequence corresponds to an application identifier which is associated with said at least one remote application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence); and a communication interface which is adapted to transmit a call set-up request and said at least one second sequence to a telephone network (page 3, paragraph 48, MS initiates a call; page 1, paragraph 5, public switched telephone network); wherein said call set-up request comprises a called party sequence which includes at least said first sequence (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence).

Referring to **claim 24**, Kim discloses a terminal device capable of mobile communications with an initiator terminal device (page 3, paragraph 39, exchange between mobile terminals), said terminal device including at least one application which is executable thereon (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server), comprising: a communication interface for receiving an incoming call request and at least one second sequence, wherein said incoming call request has been initiated by said initiator terminal device (page 3, paragraph 48, MS initiates a call); and an identification component for identifying at least one application in accordance with said at least one second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification of the numeric key leads to appropriate control application, this command is interpreted as the second sequence), wherein the call request is for establishing a voice connection to a public land mobile network (PLMN) (page 1, paragraph 5, voice, public switched telephone network).

Referring to **claim 25**, Kim discloses a terminal device (page 3, paragraphs 48, MS) according to claim 24, comprising an examination component for examining said called party sequence to determine whether said called party sequence comprises among others said at least one second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification and examination of the numeric key leads to appropriate control application, this command is interpreted as the second sequence).

Referring to **claim 26**, Kim discloses a terminal device according to claim 24, comprising

an extraction component for extracting said at least one second sequence from said called party

sequence in case said called party sequence comprises said second sequence (page 8, paragraph

111, remote control command received from the remote terminal, numeric key process results

are provided to the remote control application, the identification and examination of the numeric

key, interpreted as extraction, leads to appropriate control application, this command is

interpreted as the second sequence).

Referring to **claim 27**, Kim discloses a terminal device according to claim 24, comprising

an initiation component for starting said at least one application (page 8, paragraph 111, remote

control software program executed by a remote control application of the mobile terminal

serving as a client or server).

Referring to **claim 28**, Kim discloses a system comprising an initiator terminal device

and a remote terminal device (page 2, paragraph 15, system and method for enabling a user to

control a mobile terminal at a remote place; (page 3, paragraph 39, exchange between mobile

terminals), wherein said initiator terminal comprises: a dialing mechanism (page 5, paragraph 94,

SEND button and keys) which is adapted to dial a first sequence and at least one second

sequence to instinct a remote terminal device to initiate at least one remote application

executable on said remote terminal device (page 8, paragraph 111, remote control software

program executed by a remote control application of the mobile terminal serving as a client or

server); wherein said first sequence identities said remote terminal device (page 9, paragraph

125, client searches through phone book to perform remote control, remote control end selected;

phone book contains phone number for remote control end, interpreted as first sequence),

wherein said at least one second sequence corresponds to an application identifier which is associated with said at least one remote application (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence); a communication interface which is adapted to transmit a call set-up request and said at least one second sequence to a telephone network (page 3, paragraph 48, MS initiates a call; page 1, paragraph 5, public switched telephone network); wherein said call set-up request comprises a called party sequence which includes at least said first sequence (page 9, paragraph 125, client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence), and wherein said remote terminal comprises: a communication interface for receiving an incoming call request and at least one second sequence (page 3, paragraphs 48, MS initiates a call; page 3, paragraph 39, exchange between mobile terminals), wherein said incoming call request which has been initiated by said initiator terminal device; and an identification component for identifying said at least one application in accordance with said at least one second sequence (page 8, paragraph 111, remote control command received from the remote terminal, numeric key process result provided to remote control application, interpreted as second sequence), wherein said telephone network is a public land mobile network (PLMN) (page 1, paragraph 5, public switched telephone network).

Referring to **claim 29**, Kim discloses a system according to claim 28, further comprising an initiation component for starting said at least one application (page 8, paragraph 111, remote control software program executed by a remote control application of the mobile terminal serving as a client or server).

Response to Arguments

7.   Applicant's arguments filed 10/11/2005 have been fully considered but they are not persuasive.

Referring to claims 1-29, Applicant argues that Kim does not teach A) voice call link based communication; B) call set-up request.

Examiner respectfully disagrees. A) In page 1, paragraph 5, Kim shows both voice and data capabilities. B) In page 3, paragraph 41, Kim shows a user's request for remote control. This is interpreted as being the set-up request. This process entails: client searches through phone book to perform remote control, remote control end selected; phone book contains phone number for remote control end, interpreted as first sequence (page 9, paragraph 125); and remote control command received from the remote terminal, numeric key process results are provided to the remote control application, the identification of the numeric key leads to appropriate control application, this command is interpreted as the second sequence (page 8, paragraph 111).

Conclusion

8.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the date of this

final action.

9.   Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Suhail Khan whose telephone number is (571) 272-7910. The
examiner can normally be reached on M-F from 8 am to 4:30 pm. If attempts to reach the
examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold, can
be reached at (571) 272-7905.
        Information regarding the status of an application may be obtained from the Patent
Application Information Retrieval (PAIR) system. Status information for published applications
may be obtained from either Private PAIR or Public PAIR. Status information for unpublished
applications is available through Private PAIR only. For more information about the PAIR
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sk

Marsha O Banks-Harold

MARSHA D. ....
SUPERVISORY ....
TECHNOLOGY C.........